COMBINED DECLARATION AND POWER OF ATTORNEY

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FOR PATENT AND DESIGN APPLICATIONS

ATTORNEY DOCKET NO. 1752-0143P

| Insert Title: | As a below named investated next to my name; that is named below) or an originatter which is claimed an DENITRIFYING COMPO | at I verily believe th ginal, first and join id for which a pater | t inventor (if plural inv at is sought on the inve | it and sole invento ventors are name ention entitled: | or (if only one d below) of th | inventor |
|---|--|--|---|---|---|--|
| | FOR PRODUCING THE | SAME | | | | |
| Fill in Appropriate Information - For Use Without | the specification of which | is attached hereto. | If not attached hereto March 23, 2001 | , | as | |
| Specification | United States Ap | plication Number | 09/787,793 | ; a | and /or | |
| Attached: | the specificat | ion was filed on | September 24, 1 PCT/JP99/05226 | | as PCT | |
| | | PCT Article 19 on | | | plicable) | |
| | I hereby state that I hincluding the claims, as an I acknowledge the dure Code of Federal Regulation I do not know and do my or our invention thereof or monsale in the United States been patented or made the country foreign to the United States assigns more than twelve more patent or inventor's certification. | nave reviewed and mended by any ame ty to disclose informs, §1.56. In the sam of, or patented or discrete than one year of America more the subject of an inversional state of this inventional state on this inventional by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification by me or my in priority benefits to or inventor's certification or inventor's certif | understand the contented to about the mation which is material was ever known or use escribed in any printed prior to this application han one year prior to the tor's certificate issued it is an an application for designs) prior to this on has been filed in any legal representatives of the inder Title 35, United ficate listed below and | ove. al to patentability ed in the United S publication in an n, that the same v is application, th before the date or illed by me or my s application, and y country foreign or assigns, except States Code, §119 have also identi | y as defined in States of Americal country befowas not in publicate the invention of this applicate legal represend that no applicate to the United as follows. 9 (a)-(d) of an ified below an | ca before ore my or olic use or on has not ion in any statives or cation for I States of my foreign by foreign |
| Insert Priority Halformation: | Prior Foreign Applicati | ion(s) | | | Priority | Claimed |
| (if appropriate) | 271920/1998 | Japan | 09/25 | /1998 Day/Year Filed) | 8 | . Ü |
| ja mi | (Number) 226206/1999 | (Count Japan | 08/10 | | Yes 【↑ | No □ |
| T | (Number) | (Count | | Day/Year Filed) | Yes | No |
| jad | (Number) | (Count | y) (Month/I | Day/Year Filed) | ☐ Yes ☐ | □ No □ |
| · | (Number) | (Count | y) (Month/I | Day/Year Filed) | Yes | No |
| | (Number) | (Count | ry) (Month/I | Day/Year Filed) | . 📙 Yes | □ No |
| Insert Provisional Application(s): | I hereby claim the bea | | o, United States Code, | §119(e) of any U | nited States p | rovisional |
| (if any) | (Application Number) | | | (Filing Date | e) | |
| | (Application Number) | | | (Filing Date | e) | |
| Insert Requested Information: | All Foreign Applications, Months for Designs) Pric | | | n: | ore Than 12 M | |
| (if appropriate) | I hereby claim the be listed below and, insofar a prior United States applica §112, I acknowledge the d Code of Federal Regulation and the national or PCT is | s the subject matte ation in the manne luty to disclose info ons, §1.56 which b | r provided by the first p rmation which is mater ecame available betwee | of this application paragraph of Title rial to patentabilien the filing date | on is not disclo : 35, United States ity as defined in | sed in the ates Code, n Title 37, |

(Filing Date)

(Filing Date)

(Status - patented, pending, abandoned)

(Status - patented, pending, abandoned)

Page 1 of 2

(if any)

Insert Prior U.S. Application(s):

(Application Number)

(Application Number)

I hereby application and to transact all business in the Patern Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

| Joseph A. Kolasch (Re Bernard L. Sweeney (Re Charles Gorenstein (Re Leonard R. Svensson (Re Andrew D. Meikle (Re Joe McKinney Muncy (Re | eg. No. 19.382) eg. No. 22.463) eg. No. 24.448) eg. No. 29.271) eg. No. 30.330) eg. No. 32.868) eg. No. 32.334) eg. No. 32.350) | Raymond C. Stewart James M. Slattery Michael K. Mutter Gerald M. Murphy, Jr. Terry L. Clark Marc S. Weiner Donald J. Daley | (Reg. No. 21,066) (Reg. No. 28,380) (Reg. No. 29,680) (Reg. No. 28,977) (Reg. No. 32,644) (Reg. No. 32,181) (Reg. No. 34,313) |
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BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

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|--|------------------------|--|---|-------------|--------------|
| Full Name of First or Sole | GIVEN NAME | FAMILY NAME ' | INVENTOR'S SIGNATURE | ·- | DATE* |
| Inventor: insert Name of Inventor insert Date This | Atsushi | YATAGAI | Atsush: Yatago | i i | April 5,2001 |
| Document is Signed | Residence (City, State | & Country) | _ | CITIZENSHIP | |
| Linsert Residence Insert Citizenship | Chi <u>chibu-gu</u> i | n Saitama·ken Jap | oan DO | Japanes | e |
| Insert Post Office Address | POST OFFICE ADDRE | SS (Complete Street Addres for Powder Technology, | s including City, state & Country) NITCHITSU CO., LTD., chibu-gun, Saitama-ken, 369 | ·1802 Japan | |
| ₩ . | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE* |
| Inventor, if any: | Tomomichi | GUNJI | Tomomichi Gunj | i | April 5,2001 |
| see above | Residence (City, State | & Country) | | CITIZENSHIP | |
| Hand Comments | | <u>n S</u> aitama ken Jaj | <u> </u> | Japan | ese |
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| Full Name of Third Inventor, if any | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | <u> </u> | DATE* |
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Page 2 of 2 (USPTO Approved 3-90) (Revised 8-97)

[•] DATE OF SIGNATURE

the following attorneys to prosecute this app ion and/or an international application tion and to transact all business in the Paten based on this ap Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

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| Leonard R. Svensson | (Reg. No. 30,330) | Terry L. Clark | (Reg. No. 32,644) |
| Andrew D. Meikle | (Reg. No. 32,868) | Marc S. Weiner | (Reg. No. 32,181) |
| Joe McKinney Muncy | (Reg. No. 32,334) | Donald J. Daley | (Reg. No. 34,313) |
| C. Joseph Faraci | (Reg. No. 32,350) | • | |

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| Full Name of First or Sole | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE. | |
|--|---|-------------------------------|-------------------------------------|--------------|--------------|--|
| Inventor: Trusert Name of Inventor Insert Date This Document is Signed | Hiroshi | MASUЛIMA | Hiroshi Mas | nguman | April 5,2001 | |
| किये Document is Signed | Residence (City, Stat | e & Country) | | CHIZENSHIP | | |
| Insert Residence | | Saitama-ken Japan | 1 1 | Japanes | e | |
| | | | s including City, State & Country) | | | |
| Insert Post Office | 6-25-606, Yotsuya 2-chome, Urawa-shi, Saitama-ken, 336-0032 Japan | | | | | |
| Euli Name of Second Liventor, if any: | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE* | |
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| Page 9 of 9 | : DATE OF SIGNATUS | | | | | |

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|---|---|--------------------------|---|--------------|---------------------------------------|
| Full Name of First or Sole | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE* |
| Insert Name of Inventor | Takuma | YABE | Takuma YABE | • | April 5,2001 |
| Document is Signed | Residence (City, Sta | | | CITIZENSHIP | |
| Insert Residence Insert Citizenship | | aitama-ken Japa | | Japanes | se |
| Ü | | | dress including City, State & Country) | | |
| Lisert Post Office | 3-110, Naka | ıbun, Ageo-shi, Sa | itama·ken, 362-0067 Japan | | <u></u> |
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| Full Name of First or Sole | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | • | DATE |
| Inventor: hisert Name of Inventor Finsert Date This Document is Signed | Toru | OISHI | Josu Oishi | | April 5,2001 |
| Lisert Residence | Residence (City, Sta Kisarazu-sl | _{te & Country)} <u>ni, Chiba ken</u> Jap | pan Ju | CITIZENSHIP Japanes | se |
| Idsert Post Office | POST OFFICE ADDI c/o Research 15-1, Shinmi | RESS (Complete Street Ad &Development Labor nato, Kisarazu-shi, C | dress including City, State & Country), atories, Nippon Steel Chemical Chiba-ken 292-0836 Japan | Co., Ltd., | |
| Full Name of Second Inventor, if any: | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE* |
| ec above | Residence (City, Sta | te & Country) | | CITIZENSHIP | |
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| Full Name of Third Inventor, if any | GIVEN NAME | FAMILY NAME | INVENTOR'S SIGNATURE | | DATE |
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